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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Before The
Federal Communications Commission
Washington, D.C. 20554

In the Matter of	)	
	)	
Advanced Television Systems	)	MM Docket No. 87-268
and Their Impact Upon the	)	
Existing Television Broadcast	)	
Service	)	

To: The Commission

SUPPLEMENT TO PETITION FOR RECONSIDERATION

Pensacola Junior College ("WSRE"), licensee of noncommercial educational television station WSRE, Channel *23, Pensacola, Florida, by its counsel, hereby supplements its June 13, 1997 Petition for Reconsideration ("Petition") of the *Sixth Report and Order* in MM Docket No. 87-268, FCC 97-115 (released April 21, 1997) ("*Sixth R&O*"). WSRE sought relief from the *Sixth R&O* insofar as it specified particular reference coordinates for DTV Channel *31, which was allotted as WSRE's paired digital TV channel.[1/]

As described more fully in the Petition, WSRE is working on a plan to relocate its NTSC station to a new, taller tower. In order to make DTV operation possible from that same site, it will be necessary for the Commission to modify the reference coordinates of DTV Channel *31 at Pensacola. WSRE has now identified the approximate location of

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1/ In the *Order*, DA 97-1377 (released July 2, 1997), the Chief, Office of Engineering and Technology, provided parties requesting reconsideration of individual DTV allotments until August 22, 1997 to submit supplemental information relating to their petitions.

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the new tower, at coordinates 30-35-18 NL, 87-33-16 WL. (For purposes of reference only, this is the current tower location of Station WJTC in Pensacola. The actual location of the new tower will be in that vicinity, but not precisely at the WJTC site.)

WSRE's engineering consultants, Kessler & Gehman Associates, Inc., has studied the reserved DTV Channel *31 allotment at Pensacola. As reflected in the attached Engineering Statement, WSRE could operate DTV Channel *31 from the requested site (30-35-18 NL, 87-33-16 WL), with power of 316 kW ERP using a directional antenna mounted at 614 meters AMSL. This operation would provide significant coverage improvements for WSRE. The Statement also shows that, with respect to the single relevant co-channel station, WGBC in Meridian, Mississippi, which was also allotted Channel 31 as its DTV paired channel, the proposed WSRE DTV operation would not cause interference to WGBC's DTV operations within the area of the current NTSC Grade B contour of the station.

Therefore, WSRE requests that the reference coordinates, power and height for its DTV Channel *31 at Pensacola, Florida be modified to permit the use of that channel as described herein.

Respectfully submitted,

PENSACOLA JUNIOR COLLEGE

By: Todd D. Gray
Todd D. Gray
Its Attorney

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1200 New Hampshire Avenue, N.W.
Suite 800
Washington, D.C. 20036-6802
202-776-2571

August 22, 1997

ENGINEERING STATEMENT OF KEITH G. BLANTON OF THE FIRM OF KESSLER AND GEHMAN ASSOCIATES, INC.,CONSULTING ENGINEERS, IN CONNECTION WITH THE DIGITAL TELEVISION ASSIGNMENT TO THE DISTRICT BOARD OF TRUSTEES OF PENSACOLA JUNIOR COLLEGE LICENSEE OF TELEVISION BROADCAST STATION WSRE(TV) NTSC CHANNEL 23 AT PENSACOLA, FLORIDA

I, Keith G. Blanton, am an associate of Kessler and Gehman Associates, Inc., with offices in Gainesville, Florida. I have been working in the field of radio and television consulting engineering since 1961. I graduated from Duke University in 1951 with a Bachelor of Science degree in Physics.

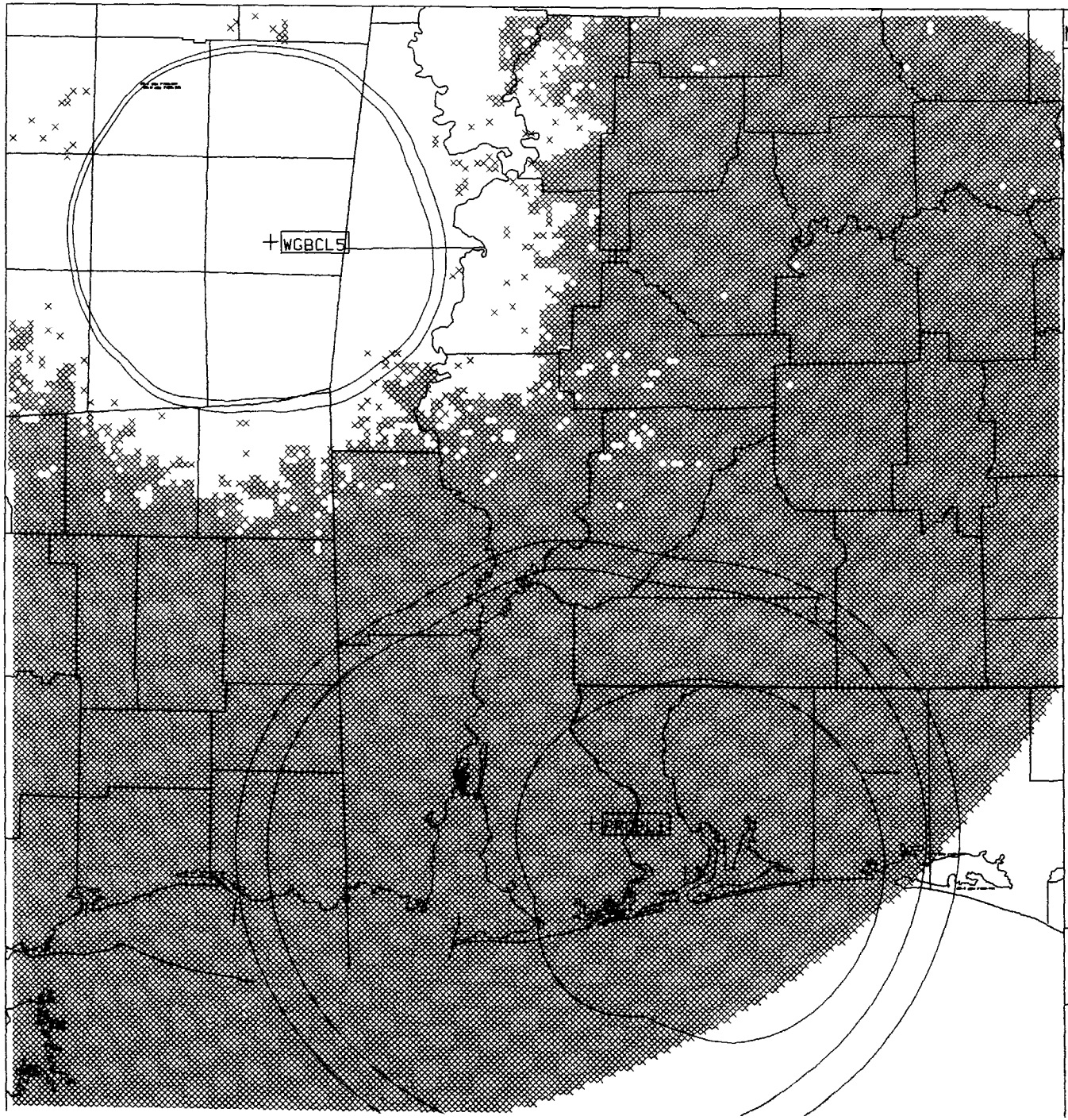
This firm has been employed by The District Board of Trustees of Pensacola Junior College licensee of television broadcast station WSRE(TV) operating on NTSC channel 23 at Pensacola, Florida to make engineering studies in connection with the assignment in the 6th Report and Order in MM Docket 87-268 of UHF channel 31 to be used by WSRE for digital television broadcasting. It is proposed that WSRE be permitted to operate its digital broadcast facility from the WJTC tower location at N. Latitude 30° 35′ 18" W. Longitude 87° 33′ 16". It is proposed that WSRE would radiate 316 kW ERP on DTV channel 31 using a Dielectric Cardioid directional antenna oriented at N170°E and mounted at 614 meters AMSL. Studies have been made in accordance with OET Bulletin No. 69 that indicate that such operation would not cause interference within the WGBC Grade B contour in areas that they would serve in the vicinity of Meridian, MS. The proposed WSRE site at the WJTC tower is 34.7 kM WNW of the authorized WSRE site thereby making it necessary to make studies to demonstrate that no new interference would be caused to WGBC.

KESSLER AND GEHMAN ASSOCIATES, INC.

Keith G. Blanton

August 14, 1997

Keith G. Blanton, Consultant



MSITE(tm):\MSITE\WSREWJTC.

Propagation model: Longley-Rice v1.2.2
Time: 90.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\MSITE\PAT\DUHF
Height: 10.0 mtrs AGL Gain: .0 dBd

C/I ratio - group 1 TXs to group 2 TXs

> 15.0
< 15.0

Minimum threshold level: -150.0 dBmW

Site	Ant Elv AMSL (mtrs)	ERPd (dBW)	Ant. Type /Orient.	Coordinates
WGBCL5*	314.0	46.99	DA-H	N 32 19 34.00
grp: 1	575.0000 MHz		.0	W 88 41 12.00
PROPL1	750.3	55.00	DA-H	N 30 35 18.00
grp: 2	575.0000 MHz		170.0	W 87 33 16.00

WSREØ3

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DTV STUDIES
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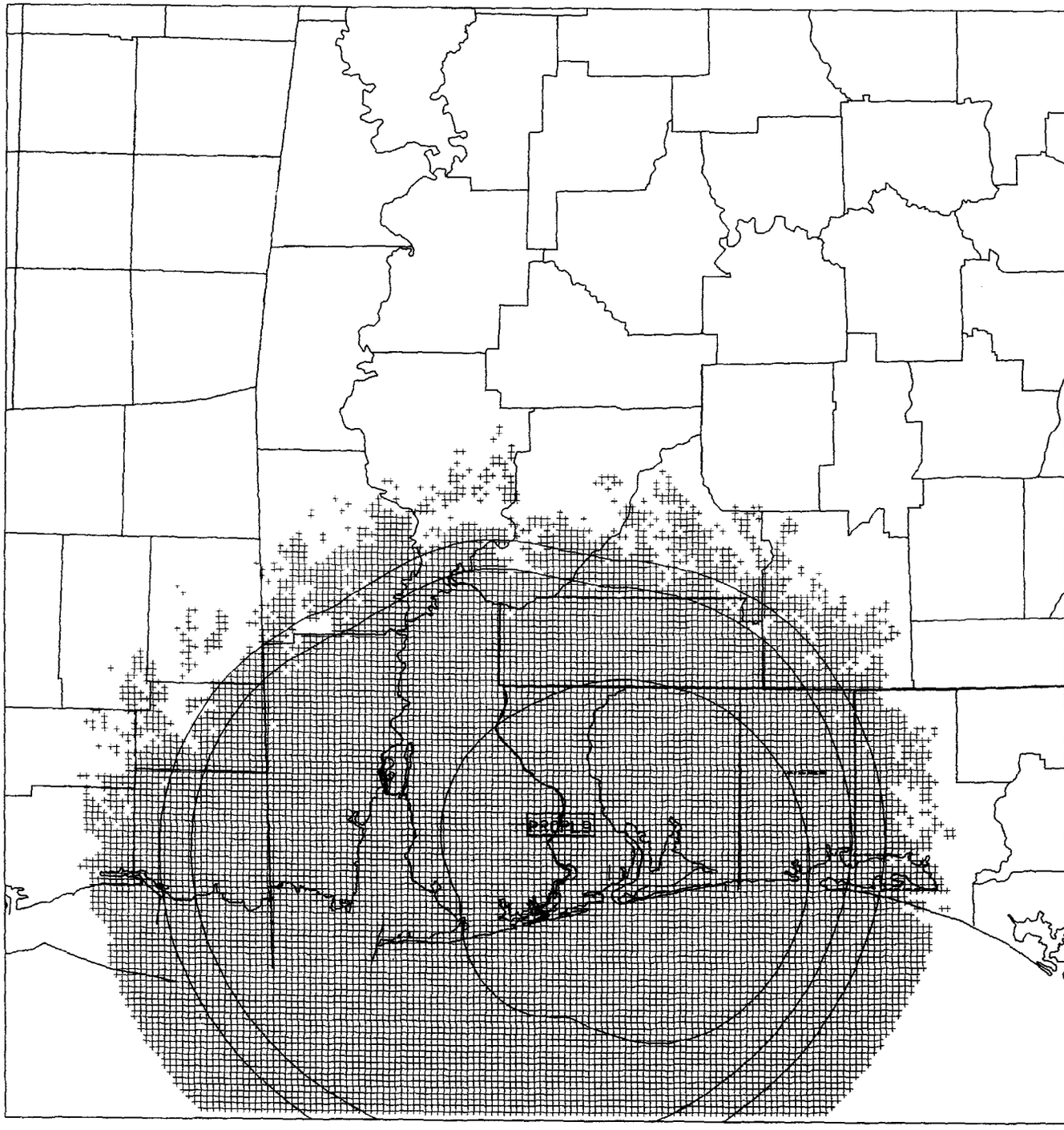

MSITE(tm): WSREWJTC

Propagation model: Longley-Rice v1.2.2
Time: 90.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\MSITE\PAT\NTSC
Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 40.4 dBuV/m
< 40.4 dBuV/m

Minimum threshold level: -150.0 dBmW

Site	Ant Elv AMSL (mtrs)	ERPd (dBW)	Ant. Type /Orient.	Coordinates
PROPL9*	614.0	55.00	DA-H	N 30 35 18.00
grp: 1	575.0000 MHz		170.0	W 87 33 16.00

WSREQ4

KILOMETERS
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DTV STUDIES
Kessler and Gehman Associates
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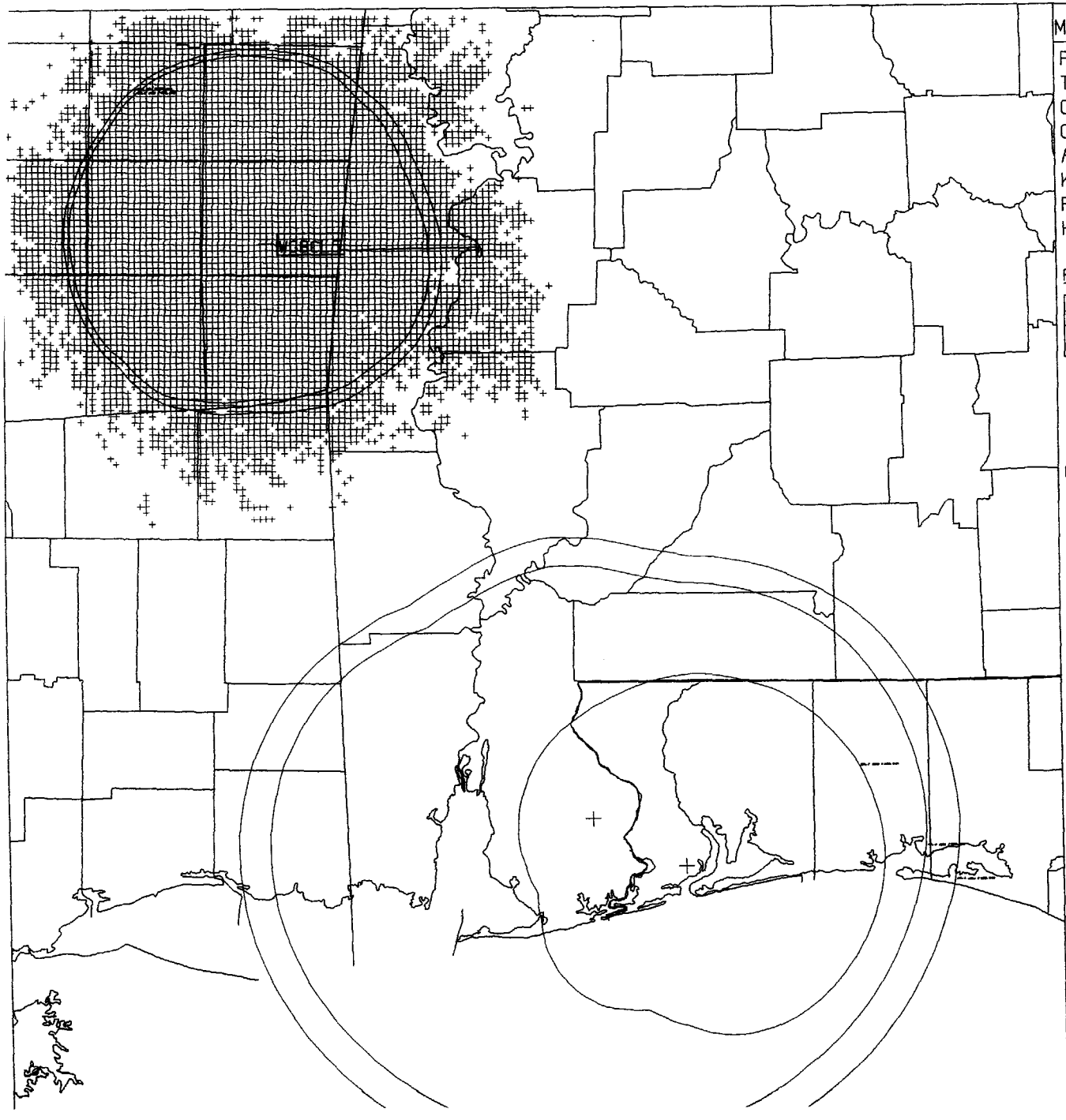

MSITE(tm): wsrew.tc

Propagation model: Longley-Rice v1.2.2
Time: 90.00% Loc: 50.00% Margin: .0 dB
Climate: Continental Temperate
Gndcvr: None
Atm. factor: None
K Factor: 1.333
RX Antenna: DA-\MSITE\PAT\DUHF
Height: 10.0 mtrs AGL Gain: .0 dBd

Field strength (at remote)

> 40.4 dBuV/m
< 40.4 dBuV/m

Minimum threshold level: -150.0 dBmW

Site	Ant Elv AMSL (mtrs)	ERPd (dBW)	Ant. Type /Orient.	Coordinates
WGBCL5*	314.0	46.99	DA-H	N 32 19 34.00
grp: 1	575.0000 MHz		.0	W 88 41 12.00

KILOMETERS
50 0 50

DTV STUDIES
Kessler and Gehman Associates
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